Author Index

Abd-Alla Elham M.: Complex Equilibria of Organotin(IV) in Aqueous Solution with Imidazole Derivatives 1177

Abdel-Rahman Adel A.-H.: Synthesis and Anti-Hepatitis B Virus Activity of Glucosylated 2-*O*-Ethyluracils 929

Abdolmohammadi Shahrzad, s. Yavari Issa

Abdou Waffa M.: Synthesis of Spiro and Fused Five Membered *N*-Heterocycles from Alkylidenephosphoranes 1373

Abdulla Mohamed M., s. Amr Abdel-Galil E.

Abu-Youssef Morsy A. M., s. Goher Mohamed A. S.

Abu-Youssef Morsy A. M., s. Mautner Franz A.

Adib Behrooz, s. Yavari Issa

Adib Mehdi, s. Yavari Issa

Adibi Hadi, s. Hajipour Abdol R.

Aghazadeh Mansoreh, s. Yavari Issa

Ahmadibeni Yusef, s. Hashemi Mohammed M. 107, 411

Akhbari Maryam, s. Hashemi Mohammed M.

Alemany Pere, s. Rodríguez-Fortea Antonio

Alexander Van Hook W., s. Imre Attila R.

Alimohammadi Kamal, s. Tajbakhsh Mahmood

Alizadeh Abdolali, s. Yavari Issa

Altmann Stefan: The Hydrolysis/Condensation Behaviour of Methacryloyloxyalkylfunctional Alkoxysilanes: Structure-Reactivity Relations 1081

Alva-Astudillo Mario, s. Hager Beate

Alvarez Santiago, s. Rodríguez-Fortea Antonio

Amabilino David B., s. Gerbier Philippe

Amer Atef M.: Regioselective Synthesis of Substituted Triazolium Salts *via* 1,3-Dipolar Cycloaddition Reactions 1577

Amr Abdel-Galil E.: Synthesis and Reactions of Some Fused Oxazinone, Pyrimidinone, Thiopyrimidinone, and Triazinone Derivatives with a Thiophene Ring as Analgesic, Anticonvulsant, and Antiparkinsonian Agents 1395

Andersson Mats R., s. Cravino Antonio

Ando Rômulo A.: Oxidation of Two α-Hydroxy Acids by Vanadium(V) 1321

Angerer Jürgen, s. Gilsing Hans-Detlev

Anhalt Katrin: Synthesis of Chiral Cyclohexenones from α-Campholenic, Fencholenic, and β-Campholenic Derivatives 1593

Arrio Marie-Anne, s. Champion Guillaume

Aslani Esmaeil, s. Mohammadpoor-Baltork Iraj

Ateş Öznur, s. Ulusoy Nuray

Aubry Jean-Marie, s. Emsenhuber Martin

Averseng Frédéric, s. Paulsen Hauke

Bae Young Chan, s. Imre Attila R.

Balalaie Saeed: An Efficient Method for the Synthesis of 3-Cyano-6-hydroxy-2(1*H*)-pyridinones under Microwave Irradiation and Solvent-free Conditions 453

Balarew Christo: Double Salts Formation in the Systems MX–MeX_2–H_2O (M = K, NH_4, Rb, Cs; Me = Mg, Mn, Fe, Co, Ni, Cu; X = Cl, Br) 721

Balko Jozef, s. Veverková Eva

Bandgar Babasaheb P.: Facile Tetrahydropyranylation of Alcohols and Phenols Using Anhydrous Calcium Chloride under Mild and Neutral Conditions 425

Bansal Geeti, s. Khurana Jitender M.

Barilero Thomas, s. Marvaud Valérie

Barreto Sônia R. G., s. Barreto Wagner J.

Barreto Wagner J., s. Ando Rômulo A.

Barreto Wagner J.: Preparation and Spectroscopic Characterization of Two Manganese(II)semiquinone Complexes 1545

Basly Jean-Philippe: Identification of Apigenin Metabolites in Rat Liver Perfusate by Column Switching High Performance Liquid Chromatography/Electrospray Ionization Mass Spectrometry 355

Bayat Mohammad, s. Yavari Issa

Bayir Zehra A., s. Kalkan Ayfer

Bayır Zehra Altuntaş: Metal-Containing Phthalocyanines Substituted with One Branched Bulky Moiety and Six Alkylthio Groups 1027
Belaj Ferdinand, s. Seebacher Werner
Ben Hassen-Chehimi D., s. Bousmina F.
Benkič Primož, s. Klampfer Peter
Berthelot Pascal, s. Laconde Guillaume
Besch Anita, s. Jarecka Danuta
Bieniek Adam: Application of Organolithium and Related Reagents in Synthesis. Part XXVIII [1]. Synthesis Strategies Based on Aromatic Metallation: A Conversion of Benzoic Acids into Arylthiomethyl Aromatic Carboxylic Acids 533
Bijanzadeh Hamid R., s. Yavari Issa
Biswas Tapan K., s. Dey Parimal C.
Biswas Tapan K., s. Motin Muhammad A.
Boča Roman: Is There a Need for New Models of the Spin Crossover? 199
Bohnert Hans J., s. Miyazaki Saori
Boiadjiev Stefan E.: Conformation and Crystal Structure of Dipyrrinones with Oxindole Components 489
Boiadjiev Stefan E.: On the Conformation of Bilirubin Ditaurate 51
Boisbrun Michel: A Convenient Preparation of β-Acetamido Substituted Tryptamine Derivatives 1641
Bondarenko Anastasiya, s. Lutsyk Alexander
Bousmina F.: Experimental Determination of the Isotherm at 15°C of the System Mg^{2+}/Cl^-, SO_4^{2-}–H_2O 763
Brabec Christoph J., s. Cravino Antonio
Bracher Franz, s. Daab Jochen C.
Brezová Vlasta, s. Burian Marek
Bröker Joachim, s. Gärtner Peter
Brunner Henri: Asymmetric Catalysis. Part 149 [1]. Synthesis of New Chiral Tridentate Ligands for Enantioselective Catalysis 1253
Brun Reto, s. Seebacher Werner 1411, 1623
Brun Reto, s. Weis Robert
Bucella Stefania, s. Cravino Antonio
Buchmeiser Michael R.: Towards the Design of New Materials: Regio- and Stereoselective (Cyclo-) Polymerization of 1-Alkynes and 1,6-Heptadiynes 327
Budzikiewicz Herbert, s. Fernández Diana Uría
Bugarčić Zorica M.: Phenylselenoetherification of Some Δ^5-Alkenols in the Presence of Pyridine, Ag_2O, and AgO*Ac* as Additives 1359
Burger Klaus: Unexpected Ring Transformations on Functionalization of 2-(ω-Alken-1-yl)-3,3,3-trifluoroalanine Derivatives 69
Burian Marek: Nitroxide Radicals of some *N*-Phenyl Substituted 1,4- and 1,2-Phenylenediamines 501

Canivenç-Lavier Naric Chantal, s. Basly Jean-Philippe
Cantuel Martine, s. Marvaud Valérie
Cao Song: Synthesis of 3-Aryl-1,3,5-pentanetricarboxylic acid trialkylesters *via* a Tandem Addition-Rearrangement-Addition Reaction 529
Carato Pascal, s. Laconde Guillaume
Carmen Muñoz M., s. Gaspar Ana B.
Cartier dit Moulin Christophe, s. Champion Guillaume
Cavaleiro José A. S., s. Sandulache Angela
Champion Guillaume: Size Effect on Local Magnetic Moments in Ferrimagnetic Molecular Complexes: An XMCD Investigation 277
Chang Bong Ho, s. Imre Attila R.
Chasseau Daniel, s. Létard Jean-François
Chastanet Guillaume, s. Létard Jean-François
Chen Sanping P., s. Fang Yan
Chernykh Lyudmila V.: Solubility and Ionic Processes in the CuX_2–MX–H_2O ($X^- = Cl^-$, Br^-; $M^+ = Li^+$, Na^+, K^+, NH_4^+, Cs^+) Systems 751
Císařová Ivana, s. Mečiarová Mária
Clarke Donald D., s. Gershon Herman
Cleaves II Henderson J.: The Prebiotic Synthesis of Acrolein 585
Clément René: Polyfunctional Two- (2D) and Three- (3D) Dimensional Oxalate Bridged Bimetallic Magnets 117
Coronado Eugenio, s. Stassen Arno F.
Counce Robert M., s. Rains William O.

Cravino Antonio: A Soluble Donor–Acceptor Double-Cable Polymer: Polythiophene with Pendant Fullerenes 519
Curti Enzo, s. Hummel Wolfgang

Daab Jochen C.: Total Syntheses of the Alkaloids Ipalbidinium and Clathryimine B 573
De Visscher Alex: Estimation of the Solubility Constant of Calcite, Aragonite, and Vaterite at 25°C Based on Primary Data Using the *Pitzer* Ion Interaction Approach 769
Deak Martin: On the Chemistry of the Resveratrol Diastereomers 883
Decroix Caroline, s. Marvaud Valérie
Decurtins Silvio, s. Clément René
Değirmenbaşı Nebahat: Quinaldinium Chlorochromate Supported on Alumina: A New and Efficient Reagent for the Oxidation of Alcohols 1565
Değirmencioğlu Ismail: Synthesis and Characterization of New Phthalocyanines Peripherally Fused to Four 21-Membered Dithiacrown Ether Macrocycles 875
deOliveira Luiz F. C., s. Barreto Wagner J.
Depreux Patrick, s. Laconde Guillaume
Depreux Patrick, s. Poupaert Jacques H.
Desplanches Cédric, s. Marvaud Valérie
Dey Parimal C.: Apparent Molar Volume and Viscosity Studies on Some Carbohydrates in Solutions 797
Di Mauro Eduardo, s. Barreto Wagner J.
Diwischek Florian: Comparison of Conventional and Microwave Assisted Reactions Giving Aromatic Oxazolidines 1105
Djahaniani Hoorieh, s. Maghsoodlou Malek T.
Domingo Neus, s. Gerbier Philippe
Doornbosch Duurt, s. Rauter Harald
Duelund Lars, s. Paulsen Hauke

Earle Waghorne W.: Solubilities of the Silver Halides in Aqueous Mixtures of Methanol, Acetonitrile, and Dimethylsulfoxide 655
El-Ahl Abdel-Aziz S., s. Salama Tarek A.
El-Hiti Gamal A.: A Convenient Procedure for the Formation of 2-Substituted Thiazolopyridines 837
Elmorsy Saad S., s. Salama Tarek A.
El-Sayed Mohamed: UV/Vis Spectroscopic Properties of *N*-(2′-Hydroxy-4′-*N*,*N*-dimethyl-aminobenzylidene)-4-nitroaniline in Various Solvents and Solid Environments 361
Emsenhuber Martin: Evidence for the Generation of Singlet Oxygen ($^1O_2$, $^1\Delta_g$) from Ozone Promoted by Inorganic Salts 387
Engelmeier Doris, s. Lutz-Kutschera Gerda
Epsztajn Jan, s. Bieniek Adam
Erker Thomas: Studies on the Chemistry of Thienoannelated *O*,*N*- and *S*,*N*-Containing Heterocycles, 28 [1]. Synthesis of Imidazo[1,5-*d*]thieno[2,3-*b*][1,4]thiazine Derivatives as *GABA*-Receptor Ligands 439
Er Mustafa, s. Değirmencioğlu Ismail
Eysseltova Jitka, s. Chernykh Lyudmila V.

Falk Heinz, s. Deak Martin
Falk Heinz, s. Emsenhuber Martin
Falk Heinz, s. Hager Beate
Falk Heinz, s. Salama Tarek A.
Falk Heinz, s. Schwarzinger Bettina
Fan Ai-Long, s. Cao Song
Fang Yan: Investigation of the Crystallization Kinetics of Aqua Methioninezinc (II) Sulfate by Microcalorimetry 983
Fernández Diana Uría: Bacterial Constituents CXIII [1]. Structure Revision of Several Pyoverdins Produced by Plant-Growth Promoting and Plant- Deleterious *Pseudomonas* Species 1421
Ferrero Eugenia Martínez, s. Stassen Arno F.
Finazzi Marco, s. Champion Guillaume
Fink Heinrich, s. Siemeling Ulrich
Flecker Elke, s. Höbartner Claudia
Fogg Peter G. T.: Some Aspects of the Solubility of Gases in Liquids 619
Forment Javier, s. Serrano Ramón
Freyer Daniela: Crystallization and Phase Stability of $CaSO_4$ and $CaSO_4$ – Based Salts 693
Furtula Boris, s. Gutman Ivan

Gajda Vladimír, s. Kmentová Iveta
Gao Shengli L., s. Fang Yan

Garde Raquel, s. Marvaud Valérie
Gardener Martin: A New Mechanism of Thermochromism for Silica Sol-gel Materials 381
Gärtner Peter: Stereoselectivity in Pinacol-Homocoupling Mediated by Samarium Diiodide 1607
Gaspar Ana B.: Polymorphism and Pressure Driven Thermal Spin Crossover Phenomenon in $[Fe(abpt)_2(NCX)_2]$ (X = S, and Se): Synthesis, Structure and Magnetic Properties 285
Gaune-Escard Marcelle: Solubility of Lanthanide Chlorides ($LnCl_3$) in Alkali Metal Chlorides (MCl): Thermodynamics and Electrical Conductivity of the M_3LnCl_6 Compounds 777
Gavrilović Marijana, s. Bugarčić Zorica M.
Gaxiola Roberto, s. Serrano Ramón
Geoffroy Valérie, s. Fernández Diana Uría
Gerbier Philippe: Synthesis and Characterization of a $[Mn_{12}O_{12}(O_2CR)_{16}(H_2O)_4]$ Complex Bearing Paramagnetic Carboxylate Ligands. Use of a Modified Acid Replacement Synthetic Approach 265
Gerdan Michael, s. Paulsen Hauke
Gershon Herman: Effect of Dimethyl Sulfoxide and Dimethylformamide on the Stability of 4-Halo-8-quinolinols 1099
Ghafuri Hossien, s. Hashemi Mohammed M.
Ghanem Ashraf: Lipase-catalyzed Irreversible Transesterification of Secondary Alcohols Using Isopropenyl Acetate 1151
Gilsing Hans-Detlev: (2-Ethyl-5-oxohexyl) Methylthiomethyl Phthalate as By-product of the *Swern* Oxidation: Improved Synthesis of Ring-deuterated Major Metabolites of Bis(2-ethylhexyl) Phthalate 1207
Giménez-Saiz Carlos, s. Stassen Arno F.
Girges Margret M., s. Salama Tarek A.
Goher Mohamed A. S., s. Mautner Franz A.
Goher Mohamed A. S.: Synthesis and Crystal Structures of [(Nicotinic Acid)$_2$H]$^+$I$^-$, [(2-Amino-6-methylpyridine)H]$^+$(NO$_3$)$^-$, and the 1:1 Complex Between 1-Isoquinoline Carboxylic Acid (Zwitter Ion) and *L*-Ascorbic Acid Assembled *via* Hydrogen Bonds 1519
Góral Marian, s. Mączyński Andrzej
Gotov Battsengel, s. Kmentová Iveta
Gößnitzer Edith: Novel High Energy Intermediate Analogues with Triazasterol-Related Structures as Potential Inhibitors of the Ergosterol Biosynthesis II [1]. Optimization of the Synthesis of 1,6,7,11b-Tetrahydro-2*H*-pyrimido[4,3-*a*]isoquinolin-4-amines as Parent Compounds of Novel 8,13,15-Triazasteroids 909
Gößnitzer Edith: Novel High Energy Intermediate Analogues with Triazasterol-related Structures as Inhibitors of the Ergosterol Biosynthesis V [1]. Synthesis of Hexahydro-5*H*-imidazo[1′,2′:1,2]pyrimido-[4,3-*a*]isoquinolines and 1-Alkyl Analogues Representing New 8,13,15-Triazasteroids 1271
Gradolatto Anséline, s. Basly Jean-Philippe
Grasberger Fritz, s. Reimann Eberhard
Greger Harald, s. Lutz-Kutschera Gerda
Grishkan Isabella, s. Miyazaki Saori
Gross Silvia: Mono-, Di-, and Trimetallic Methacrylate-substituted Metal Oxide Clusters Derived from Hafnium Butoxide 1053
Grubmayr Karl, s. Höbartner Claudia
Grunert Matthias, s. van Koningsbruggen Petra J.
Gruselle Michel, s. Clément René
Gspan Christian, s. Mautner Franz A.
Gubaidullin Aidar T.: Synthesis and Comparative Analysis of Molecular and Supramolecular Structures of 4,8-Disubstituted 1,5-Dichloro-2,6-dioxotricyclo[5.1.0.0^{3,5}]octanes 1229
Guionneau Philippe, s. Létard Jean-François
Gül Ahmet, s. Koca Atıf
Gütlich Philipp, s. Gaspar Ana B.
Gütlich Philipp, s. Létard Jean-François
Gutman Ivan: *Hyper-Wiener* Index *vs.* *Wiener* Index. Two Highly Correlated Structure-Descriptors 975

Gyepes Róbert, s. Žúrková L'udmila
Gzella Andrzej, s. Zaprutko Lucjusz

Haasnoot Jaap G., s. Stassen Arno F.
Habibi Azizollah, s. Yavari Issa
Hadacek Franz, s. Lutz-Kutschera Gerda
Hager Beate: A Hemin-Analogous Corrphycene Derivative: Suppression of Heme Oxygenase and Reconstitution with Apomyoglobin 1499
Hajipour Abdol R., s. Mallakpour Shadpour
Hajipour Abdol R.: Microwave Assisted Conversion of Oximes and Semicarbazones to Carbonyl Compounds Using Benzyltriphenylphosphonium Peroxymonosulfate 45
Hajipour Abdol R., s. Mohammadpoor-Baltork Iraj
Halawy Samih A.: Unpromoted and K_2O-Promoted Cobalt Molybdate as Catalysts for the Decomposition of Acetic Acid 371
Hamuryudan Esin, s. Bayır Zehra Altuntaş
Haschke Heinz: A Biokinetic Model to Describe Consequences of Inhibition/Stimulation in DNA-Proofreading and -Repair, Part 2. Calibration of the Model 81
Haschke Heinz: A Biokinetic Model to Describe Consequences of Inhibition/Stimulation in *DNA*-Proofreading and -Repair, Part 3. Application of the Model-1 595
Haschke Heinz: A Biokinetic Model to Describe Consequences of Inhibition/Stimulation in *DNA*-Proofreading and -Repair, Part 4 1289
Hasegawa Miki: Deprotonation Processes of Ellagic Acid in Solution and Solid States 811
Hashemi Mohammed M.: Aromatization of *Hantzsch* 1,4-Dihydropyridines by Hydrogen Peroxide in the Presence of Cobalt(II) Acetate 107
Hashemi Mohammed M.: Cobalt and Manganese Salts of *p*-Aminobenzoic Acid Supported on Silica Gel: A Versatile Catalyst for Oxidation by Molecular Oxygen 411
Hashemi Mohammed M.: Oxidation of Aromatic Amines to Quinones by Iodic Acid under Microwave Irradiation in the Presence of Montmorillonite K10 and Silica Gel 1561
Hashtroudi Mehri S., s. Balalaie Saeed
Hefter Glenn, s. Senanayake Gamini
Hegab Mohamed I., s. Amr Abdel-Galil E.
Heller Eberhard, s. Diwischek Florian
Hendrickson David N., s. Gerbier Philippe
Hénichart Jean-Pierre, s. Laconde Guillaume
Herrera Juan M., s. Marvaud Valérie
Hiratsuka Hiroshi, s. Hasegawa Miki
Hirt Heribert, s. Jonak Claudia
Höbartner Claudia: The Synthesis of 2′-*O*-[(Triisopropylsilyl)oxy]methyl (*TOM*) Phosphoramidites of Methylated Ribonucleosides (m^1G, m^2G, $m^2{}_2G$, m^1I, m^3U, m^4C, m^6A, $m^6{}_2A$) for Use in Automated *RNA* Solid-Phase Synthesis 851
Hofer Otmar, s. Lutz-Kutschera Gerda
Hoffmann Helmuth, s. Standfest-Hauser Christina M.
Holzgrabe Ulrike, s. Diwischek Florian
Hoshi Toshihiko, s. Hasegawa Miki
Hosseini-Tabatabaei Mohammad R., s. Yavari Issa
Huang Zi-Ming, s. Cao Song
Hummel Wolfgang: Nickel Aqueous Speciation and Solubility at Ambient Conditions: A Thermodynamic Elegy 941
Hu Rongzu Z., s. Fang Yan
Hupko Jarosław, s. Zakrzewski Jerzy
Huque Entazul M., s. Dey Parimal C.
Huque Entazul M., s. Motin Muhammad A.

Ibrahiem Alhusain A., s. Amr Abdel-Galil E.
Idleman Ursulla, s. Miyazaki Saori
Imre Attila R.: The Effect of Alkane Chain Length on the Liquid–Liquid Critical Temperatures of Oligostyrene/Linear-Alkane Mixtures 1529

Jana Nirmal K., s. Majumdar Krishna C.
Janciene Regina: Functionalization of 2,3,4,5-Tetrahydro-1,5-benzodiaze-

pin-2(1*H*)-ones by Electrophilic Aromatic Substitution 1629
Jarecka Danuta: On the Reaction of Some Saccharin Derivatives with Hydrazine and Other Nucleophils 901
Jesih Adolf, s. Klampfer Peter
Jonak Claudia: Protein Phosphorylation and Cellular Information Transfer: Signaling by MAP Kinase Cascades 1481

Kabiri-Fard Hassan, s. Yavari Issa
Kaiser Alexander: Electron Impact Induced Fragmentation of Aromatic Alkoxyimines II [5]. Formation and Transformation of Heterocyclic Radical Cations in the Gas Phase 343
Kalkan Ayfer: Synthesis and Characterisation of Unsymmetrical Porphyrazines Containing Bis(hydroxyethylthio) Substituents 1555
Kappe C. Oliver, s. Smounig Ralf
Karaböcek Nevin, s. Değirmencioğlu Ismail
Karaböcek Serdar, s. Değirmencioğlu Ismail
Kawano Yoshio, s. Barreto Wagner J.
Kbir-Ariguib N., s. Bousmina F.
Khalil Abdel-Galil M., s. Salama Tarek A.
Khodaei Mohammad mehdi, s. Mohammadpoor-Baltork Iraj
Khurana Jitender M.: Pinacol Formation and Reduction of Aromatic Carbonyls with Magnesium–Methanol at Ambient Temperature 1365
Kickelbick Guido, s. Gross Silvia
Kikuchi Yuko, s. Hasegawa Miki
Kiraz Muammer, s. Ulusoy Nuray
Kirchner Karl, s. Standfest-Hauser Christina M.
Kiripolský Michal, s. Mečiarová Mária
Klampfer Peter: Synthesis, Crystal Structure and Raman Spectrum of Hydrazinium(+2)Fluoroarsenate(III)Fluoride, $N_2H_6AsF_4F$ 1
Klofutar Cveto, s. Rudan-Tasic Darja
Kmentová Iveta: The *Sonogashira* Reaction in Ionic Liquids 545
Knollmüller Max, s. Gärtner Peter
Kobayashi Michio, s. Hasegawa Miki
Koca Atıf: Electrochemical Investigation on Porphyrazines with Peripheral Crown-Ether Groups 11
Kollenz Gert, s. Smounig Ralf
Königsberger Erich, s. Sadovska Galina
Konstantinavicius Kazimieras, s. Janciene Regina
Kosychova Lidija, s. Janciene Regina
Kowsari Elahe, s. Balalaie Saeed
Kreutz Christoph, s. Höbartner Claudia
Kron Ivan, s. Sadovska Galina
Kryczka Krzysztof, s. Zakrzewski Jerzy
Ksenofontov Vadim, s. Gaspar Ana B.
Kucsera Renáta, s. Žúrková L'udmila
Küçükbaşmacı, s. Ulusoy Nuray
Kudelko Agnieszka, s. Zieliński Wojciech
Kukreja Gagan, s. Khurana Jitender M.
Kundu Uday K., s. Majumdar Krishna C.

Lackner Bernd, s. Salama Tarek A. 1113, 1241
Laconde Guillaume: An Expeditious One-Pot Synthesis of *N*-Substituted 6-Nitroindoles from Indolines 1037
Lang Heinrich, s. El-Sayed Mohamed
Laronze Jean-Yves, s. Boisbrun Michel
Lawrence Clever H.: The Solubility of the Chloromethanes in Water 745
Lesar Antonija, s. Klampfer Peter
Létard Jean-François: Spin Crossover Properties of the $[Fe(PM\text{-}BiA)_2(NCS)_2]$ Complex – *Phases I* and *II* 165
Leuenberger Michael N.: Quantum Spin Dynamics in Molecular Magnets 217
Levchenko Georgii, s. Gaspar Ana B.
Lightner David A., s. Boiadjiev Stefan E. 51, 489
Lightner David A., s. Skowronek Pawel
Linert Wolfgang, s. Boča Roman
Litvinov Igor A., s. Gubaidullin Aidar T.
Loss Daniel, s. Leuenberger Michael N.
Lummerstorfer Thomas, s. Standfest-Hauser Christina M.
Lutsyk Alexander: The Octanol/Water Partition Coefficients of Aminimides 1333
Lutz-Kutschera Gerda: Synthesis of Side Chain Substituted 3-Butylisocoumarins and Absolute Configurations of Natural Isocoumarins from *Artemisia dracunculus* 1195

Mączyński Andrzej: Mutual Solubilities of Water and Alkanes 633
Magalhães Maria Clara F.: Stability of Lead(II) Arsenates 735
Mager Willem H., s. Siderius Marco
Maggini Michele, s. Cravino Antonio
Maghsoodlou Malek T.: Reaction Between Alkyl Isocyanides and Cyclic 1,3-Diketones: A Convenient Synthesis of Functionalized 4*H*-Pyrans 1585
Magyar Angéla, s. Wölfling János
Mahmoodi Nosrat O.: Enantio-, Regio-, and Chemoselective Reduction of Aromatic α-Diketones by Baker's Yeast 1283
Majumdar Krishna C.: Synthesis of Pyrimidine Annelated Heterocycles [1]. Regioselective Heterocyclization of 6-Cyclopent-2-enyl-5-hydroxy-1,3-dimethylpyrimidine-2,4(*1H*, *3H*)-dione and 5-Cyclopent-2-enyl-6-hydroxy-1,3-dimethylpyrimidine-2,4(*1H*, *3H*)-dione 1137
Mak Thomas C. W., s. Goher Mohamed A. S.
Mallakpour Shadpour E., s. Hajipour Abdol R.
Mallakpour Shadpour: Microwave Assisted Synthesis of 4-Substituted 1-Ethoxycarbonyl Semicarbazides from Ethyl Carbazate and Isocyanates 1015
Mamedov Vakhid A., s. Gubaidullin Aidar T.
Marcén Silvia, s. Létard Jean-François
Marchivie Mathieu, s. Létard Jean-François
Marvaud Valérie: High Spin and Anisotropic Molecules Based on Polycyanometalate Chemistry 149
Massobrio Carlo: Localized Orbitals *vs.* Pseudopotential-Plane Waves Basis Sets: Performances and Accuracy for Molecular Magnetic Systems 317
Mathonière Corine, s. Champion Guillaume
Matlobi Mitra, s. Yavari Issa
Mautner Franz A., s. Goher Mohamed A. S.
Mautner Franz A.: Three New 1D Polymeric Zinc(II) and Cadmium(II) Azido Complexes Containing Noncoordinated Pyridine-*N*-oxide or 3-Picoline-*N*-oxide 1311
Mayer Klaus K., s. Kaiser Alexander
McCurdy Christopher R., s. Poupaert Jacques H.
McMahon John J., s. Gershon Herman
Mečiarová Mária: Study of Ultrasound Promoted Aromatic Nucleophilic Substitution of Halobenzenes with Amines 37
Mečiarová Mária, s. Veverková Eva
Meier Florian, s. Leuenberger Michael N.
Merey Şebnur, s. Bayır Zehra Altuntaş
Metelkina Olga: Reaction of Metal Alkoxides with Lysine: Substitution of Alkoxide Ligands *vs.* Lactam Formation 1065
Meyer Jean-Marie, s. Fernández Diana Uría
Micura Ronald, s. Höbartner Claudia
Mihailovic Dragan: Ferromagnetism in Metallocene-Doped Fullerenes 137
Mirshojaei Fatemeh, s. Movassagh Barahman
Miyazaki Saori: Oxidative Stress Responses in Yeast Strains, *Saccharomyces cerevisiae*, from "Evolution Canyon", Israel 1465
Mohammadi Hussin G., s. Mahmoodi Nosrat O.
Mohammadpoor-Baltork Iraj: A Facile, Mild, and Environmentally Benign Procedure for the Cleavage of Carbon–Nitrogen Double Bonds Using $KMnO_4$ in the Presence of Montmorillonite K-10 Under Solvent-Free Conditions 539
Mohammadpoor-Baltork Iraj, s. Hajipour Abdol R.
Mohammadpoor-Baltork Iraj, s. Tajbakhsh Mahmood
Moliner Nicolás, s. Gaspar Ana B.
Moorhoff Cornelis M.: Condensations of γ-Acetylacetonephosphonium Ylide (1-(Triphenylphosphoranylidene) pentane-2,4-dione) with Carbonyl Compounds 429
Moorhoff Cornelis M.: Condensations of Ethyl 3-Ethoxy-4-(triphenylphosphoranylidene)-2-butenoate with α,β-Unsaturated Carbonyl Compounds 61

Moradi Shahram, s. Yavari Issa
Mosselhi Mosselhi A. N.: New [*e*]-Fused Caffeines: A Simple Synthesis of 3-Substituted [1,2,4]Triazolo[4,3-*e*]purines 565
Motin Muhammad A., s. Dey Parimal C.
Motin Muhammad A.: Volumetric and Viscometric Studies on Sodium Nitrate and Potassium Nitrate in Aqueous and H_2O-urea Solutions 475
Movassagh Barahman: Synthesis of Selenol Esters from Acid Chlorides and Organic Diselenides in the Presence of the $Zn/AlCl_3$ System 831
Müller Hardy, s. El-Sayed Mohamed
Mütze Kerstin, s. Burger Klaus

Nakao Akiko, s. Hasegawa Miki
Nandibewoor Sharanappa T., s. T Mahesh R.
Nardello Véronique, s. Emsenhuber Martin
Nassiri Farough, s. Maghsoodlou Malek T.
Neugebauer Helmut, s. Cravino Antonio
Nevo Eviatar, s. Miyazaki Saori
Nguyen Olivier, s. Létard Jean-François

Okubo Jun, s. Hasegawa Miki
Olender Dorota, s. Zaprutko Lucjusz
Omelka Ladislav, s. Burian Marek
Ondrášová Silvie, s. Burian Marek
Osipov Sergej N., s. Burger Klaus
Ottenschläger Elke, s. Höbartner Claudia
Otto Hans-Hartwig, s. Jarecka Danuta
Overeijnder Marieke, s. Rauter Harald
Özgün Beytiye, s. Değirmenbaşı Nebahat

Pandey Ravi R., s. Khurana Jitender M.
Parmigiani Fulvio, s. Champion Guillaume
Paschoal Fabiana M. M., s. Barreto Wagner J.
Patil Suresh V., s. Bandgar Babasaheb P.
Paulsen Hauke: Substituent Effects on the Spin-Transition Temperature in Complexes with Tris(pyrazolyl) Ligands 295
Pechtereva Tatiana, s. Lutsyk Alexander
Perry Carole C., s. Gardener Martin
Pfeiffer Jürgen, s. Altmann Stefan
Pils Werner, s. Höbartner Claudia
Płotka Mieczysław W., s. Bieniek Adam
Pöchlauer Peter, s. Emsenhuber Martin
Podlesná Jana, s. Mečiarová Mária
Polborn Kurt, s. Reimann Eberhard
Pol Pandurang D., s. T Mahesh R.
Ponikvar Maja, s. Klampfer Peter
Poupaert Jacques H., s. Laconde Guillaume
Poupaert Jacques H.: Unsymmetrical Diarylketones from Electron-rich Heterocyclic Arenes 823
Prescher Dietrich, s. Gilsing Hans-Detlev
Presser Armin, s. Weis Robert
Puchberger Michael, s. Gross Silvia
Puchberger Michael, s. Standfest-Hauser Christina M.
Punkenhofer Asbjörn, s. Gößnitzer Edith 909, 1271
Puodziunaite Benedikta D., s. Janciene Regina

Qian Xuhong, s. Zhang Wen

Radau Gregor: Suppression of Formation of *N,N'*-Dicyclohexylurea Derivatives During *DCC*-Activation of Proline-Containing Dipeptides 1033
Radau Gregor: Syntheses and Different Chemical Behaviour of Precursors of Putative Dibasic Inhibitors of Human Mast Cell Tryptase 1159
Rahten Ana, s. Klampfer Peter
Rains William O.: Liquidus Curves of $AgNO_3$(aq) Calculated from the Modified Adsorption Isotherm Model for Aqueous Electrolytes 1541
Raminelli Cristiano, s. Ando Rômulo A.
Raoul Marion, s. Boisbrun Michel
Rauter Harald: *DegP* and Related Genes as Stress-Markers for *E.Coli*-Viability – Ultra-Sensitive RT-Real-Time PCR 1489
Razmjoo Zahra, s. Maghsoodlou Malek T.
Real José Antonio, s. Gaspar Ana B.
Reedijk Jan, s. Stassen Arno F.
Reimann Eberhard: Protoberberines from *Reissert*-Compounds VIII [1]. Oxazoloisoquinolines, New and Efficient Educts for the Synthesis of 8-Oxoprotoberberines 991

Resnyanska Elizaveta V., s. Tverdokhlebov Anton V.
Ressouche E.: *Ab Initio* Calculations Versus Polarized Neutron Diffraction for the Spin Density of Free Radicals 235
Rheinwald Gerd, s. El-Sayed Mohamed
Ríos Gabino, s. Serrano Ramón
Rodríguez-Fortea Antonio: Magneto-Structural Correlations in Trinuclear Cu(II) Complexes: A Density Functional Study 307
Ros Roc, s. Serrano Ramón
Rudan-Tasic Darja: Apparent Molar Volume and Apparent Molar Refraction of Mono-, Di-, Tri-, and Tetra(oxyethylene) Glycol in Aqueous, 1,4-Dioxane, and Benzene Solutions at 298.15 K 1185
Ruiz Eliseo, s. Massobrio Carlo
Ruiz Eliseo, s. Rodríguez-Fortea Antonio
Ruiz-Molina Daniel, s. Gerbier Philippe
Rycerz Leszek, s. Gaune-Escard Marcelle

Sadavarte Vaibhav S., s. Bandgar Babasaheb P.
Sadovska Galina: Solubility of Uric Acid in Lithium Chloride Solutions 787
Saeed Aamer: A Short Total Synthesis of *rac*-Peniolactol 457
Saf Robert, s. Seebacher Werner 1411, 1623
Saf Robert, s. Weis Robert
Sağlam Özgül Göçer, s. Koca Atıf
Sainctavit Philippe, s. Champion Guillaume
Salama Tarek A.: A Convenient Regiospecific Synthesis of New Conjugated Tetrazole Derivatives *via* the Reaction of Dienones with the Tetrachlorosilane-Sodium Azide Reagent and their NMR Structural Assignment 1241
Salama Tarek A.: An Efficient Synthesis of *O*-Methyl Protected Emodin Aldehyde and Emodin Nitrile 1113
Salem Mounir A. I., s. Abdou Waffa M.
Samanta Swapan K., s. Majumdar Krishna C.
Sandulache Angela: New Benzo[*b*]-xanthones from Diels-Alder Reactions of Chromone-3-carboxaldehydes with *ortho*-Benzoquinodimethanes 551
Sapi Janos, s. Boisbrun Michel
Schäfer Mathias, s. Fernández Diana Uría
Schalkhammer Thomas, s. Rauter Harald
Schier Annette, s. Burger Klaus
Schmid Roland, s. Standfest-Hauser Christina M.
Schneider Gyula, s. Wölfling János
Schubert Ulrich, s. Gross Silvia
Schubert Ulrich, s. Metelkina Olga
Schubert Ulrich, s. Sturmayr Dietmar
Schulze Klaus, s. Anhalt Katrin
Schurig Volker, s. Ghanem Ashraf
Schwarzinger Bettina: A Unique Photoreaction of Hypericinate Bound to Human Serum Albumin, Lipids, or Vesicles 1353
Schweizer J., s. Ressouche E.
Scuiller Ariane, s. Marvaud Valérie
Sediek Ashraf A., s. Abdou Waffa M.
Seebacher Werner, s. Weis Robert 1019, 1121, 1129
Seebacher Werner: 4-Aminobicyclo[2.2.2]octanone Derivatives with Antiplasmodial and Antitrypanosomal Activities 1411
Seebacher Werner: New 1,3-Thiazoles and 1,3-Thiazines from 1-Thiocarbamoylpyrazoles 1623
Sellmer Andreas, s. Kaiser Alexander
Senanayake Gamini: Gibbs Energies of Transfer of Fluoride Salts from Water to Aqueous Alcohol Mixtures 669
Serbest Kerim, s. Değirmencioğlu Ismail
Serdar Saricifici N., s. Cravino Antonio
Serrano Ramón: Salt Stress Proteins Identified by a Functional Approach in Yeast 1445
Shaw David, s. Mączyński Andrzej
Shawali Ahmad S., s. Mosselhi Mosselhi A. N.
Shen Xin, s. Tang Chao-Jun
Shi Qizhen Z., s. Fang Yan
Siderius Marco: Conditional Response to Stress in Yeast 1433
Siemeling Ulrich: Selective Reduction of an Aromatic Nitro Group to an Azoxy Unit in the Presence of an Aliphatic Nitro Group 419
Silva Artur M. S., s. Sandulache Angela
Silva Maria Celina M., s. Magalhães Maria Clara F.

Subject Index

Absorption 883, 1353
Absorption and emission spectra 393
Acetic acid 371
γ-Acetylacetonephosphonium ylide 429
Acetylenic esters 445, 1221
Acidity 883
Acrolein 585
Acrylics 1081
Activation parameters 475, 797
Activity coefficients 1541
Acylation 1617
Adaptive evolution 1465
Addition-rearrangement-addition reaction 529
Additives 1359
Adducts 137
Adsorption isotherm 1541
Aggregation 875
Alcohols 1565
Alcohols and phenols 425
Aldehydes 1365, 1607
Aldol condensation 1593
Aldol reactions 585
Alkali metal halides 751
Alkaline diperiodatonickelate(IV) 1341
Alkaloids 573
Alkanes 633, 975, 1529
Alkenols 1359
2-(ω-Alken-1-yl)-3,3,3-trifluoroalanine 69
Alkoxides 1045
Alkoxybenzaldimines 343
Alkyl complexes 791
Alkyl isocyanides 1585, 1651
Alkylsiloxane monolayers 1167
Alumosilicates 941
Amidosuccinimides 1651
Aminimides 1333
Amino acids 901, 1065, 1617
Amino (diisopropyldithiocarbamato) pyridines 837
1-(Aminoethyl)tetrahydroisoquinolines 909
Aminoimidazolecarboxyamide (AICA) 81
Analgesic 1395
Anhydrous $CaCl_2$ 425
Annelation 439
Antibacterial activity 465
Anticonvulsant 1395
Antifungal activity 465
Antimycobacterial activity 465
Antiparkinsonian 1395
Antiplasmodial activity 1411
Antiprotozoal activity 1019
Antipyrines 465
Antitrypanosomal activity 1411
Apigenin 355
Apparent molar volume 475, 797
Aqueous electrolytes 1541
Aqueous solutions 745, 1321
Arabidopsis 1445
Aromatic amines 1561
Aromatization 107, 1037
3-Aryl-1,3,5-pentanetricarboxylic acid trialkylesters 529
Arylsulfonylglycyl chlorides 435
Association 751
Asymmetric synthesis 1283
Atmosphere 619
Axial chirality 889
Azides 1617
Azines 539
Azoxybenzene 419

Benzophenone 823
ortho-Benzoquinodimethanes 551
Benzo[*b*]xanthones 551
2(*3H*)-Benzoxazolone 823
Benzyltryphenylphosphonium peroxymonosulfate 45
Bicyclo[2.2.2]octane derivatives 1019, 1411
Bilirubin 51
Biokinetic model 81, 595, 1289
Bis(2-ethylhexyl) phthalate 1207
Bismuth 419
Bleaching 1353
Blood substitute 1499
Born equation 669
Broken symmetry 307
Bromide double salts 721
ω-Bromo-alkanoates 1623
5-Bromo-4,8-quinolindiol 1099
N-Bromosuccinimide 1113
Brunauer-Emmett-Teller (*BET*) 1541

Caffeine 565
Calcium carbonate 769
Calcium sulfate phases 693
Calorimetry 655
Cancer-therapies 81
Carbodiimide 1033
Carbohydrates 1617
Carbonate 941
Carbonyl compounds 45, 1565
Carboxamides 1129
Carboxamidoimidazoles (CAIs) 81
Carboxylate ligands 1053
Carboxylic acids 837
13a-Carboxy-8-oxo-protoberberines 991
Catalytic oxidation 107
Catalytic properties 371
Catecholamines 1545
Catenane 183
CD 51
CH-acids 1221, 1585
Chain 183
Chemical graph theory 975
Chemoselectivity 1283, 1571, 1641
Chiral α-hydroxy ketones 1283
Chiral resolution 1195
Chirality 1253
Chloride double salts 721
Chloromethanes 745
5-Chloro-4,8-quinolindiol 1099
Circular dichroism 1195
Citric acid 1321
Clathryimine B 573
Clusters 1053
Cobalt 11, 411
Cobalt(II) acetate 107
Cobalt molybdate 371
Cobaltocene 137
Column switching 355
Complexes 509, 941, 1555
Computer simulations 787
Conformational analysis 23
Cooperativeness 199
Coordination chemistry 255, 1065, 1545
Copper 11
Copper complexes 381
Copper halides 751
Corrphycene 1499
Cotton effect 117
Critical and immiscibility phenomena 679
Crown ether 11
Crystallization kinetics 983
Crystal structure 1, 1509
Cyclic cumulenes 23
Cyclizations 837, 1019, 1121, 1137, 1359, 1623
6-*endo* Cyclization 1137
Cycloadditions 551, 1577
Cyclobutene derivatives 1221
Cyclocondensation 453
Cyclohexenones 1593

Darzens condensation 1229
Degradation of 4-halo-8-quinolinols in *DMSO* and *DMF* 1099
Density functional calculations 295, 307, 317
Dialkyl (*E*)-2-(1-methyl-2,5-dioxo-3-imidazolin-4-yl)-but-2-enedioate 445
1,3-Diaminoisoquinolines 403
Diastereomeric ratio 1105
Diastereoselectivity 1607
Dibromo-derivative 875
3,5-Dibromo-4,8-quinolindiol 1099
Dicyclohexylurea 1033
Dienyltetrazoles 1241
Dihydropyridin-2-ones 1129
α-Diketone 1283
1,3-Diketones 1585
Dimethyl acetylenedicarboxylate 435
Dimethyl (*E*)-2-chloro-2-butenedioate 435
Dimethylimidazole 1177
Dimethyltin(IV) complexes 1177
3,3-Dimethyl-2-trifluoromethyl-4-hydroxyproline 69
Diphenylimidazole 1177
Dipyrrinone 51
2,6-Disubstituted pyridine 1395
DNA 1489
Domain model 199
Donar–acceptor properties 669
Double-cable polymers 519
Drugs 1617
Dynamic processes 1053

E.coli 1489
Ecology 619
Electrical conductivity 777
Electrochemistry 11
1,5-Electrocyclization 565
Electronic absorption spectra 811

Electrophilic substitution 1629
Electrospray 355
Ellagic acid 811
Enantiomeric resolution 1151
Enantioselective catalysis 1253
Endocrine disrupters 355
Enthalpy 777
Environment 735
Environmental conditions 1433
Epoxidations 69, 1387
Epoxyartemidin 1195
EPR spectroscopy 501, 1545
Equation of state 633
Equilibrium studies 1177
Equimolar combinations of nucleotides' precursors 595, 1289
Ester synthesis 1033
Ethyl 3-ethoxy-2,4,6-alkatrienoates 61
Ethyl 3-ethoxy-4-(triphenylphosphoranylidene)-2-butenoate 61
2-*O*-Ethyluracils 929
Eutectic 1541
Evolution canyon 1465
Exchange coupling 307
Extraction experiments 509

Fe(II) 183
Ferromagnetism 137
First preclinical tests 595
First principle *ab initio* calculations 235
Fluorescence 117, 883, 1353
Fluorescent conjugates 393
Fluoride salts 669
Fluoroarsenates(III) 1
Free radicals 235
Friedel-Crafts acylation 823
Fullerenes 137, 519
Fungicides 909, 1271
Fused *N*-heterocycles 1373

GABA receptor complex 439
Gas chromatography 1151
Genomics 1445
Glycosides 929
Grob fragmentation 1387
Growth control 1433
Gypsum 693

Halogenation 573
4-Halo-8-quinolinols stable in pyridine-d_5 1099
Hantzsch type 1,4-dihydropyridines 107
Hartree-Fock approximation 235
Heat capacity 777
Heme oxygenase 1499
Hemihydrate 693
Henry's constant 745
Henry's law 619
Heterocycles 255, 439, 823, 1037, 1045, 1121, 1137, 1359, 1623, 1641
Hexahydro-5*H*-imidazo[1′,2′:1,2] pyrimido [4,3-*a*]isoquinolines 1271
Hexamethylenetetramine hydrotribromide 1137
High energy intermediate analogues 909, 1271
High osmolarity 1433
High pressure liquid chromatography 585
High-spin 183
High spin molecules 149
Hindered rotation 1093
Homogeneous catalysis 327
Homo-*p*-quinones 1229
Horeau method 1195
*HPE*s 1289
HPLC 355
Human immunodeficiency virus 929
Hydration 751
Hydrazines 565, 901
Hydrazinium(+2) 1
Hydrazones 565
Hydrobenzoin 1607
Hydrogenations 1019, 1121
Hydrogen bonding 475, 489, 633, 797
Hydrogen bonds 1129
Hydrogen peroxide 107
Hydrolysis 1081, 1113, 1629
3′-Hydroxyartemidin 1195
4-Hydroxy-2-oxo-3,5-diene 429
4-Hydroxy-2-oxo-3,5,7-triene 429
Hypericin 1353
Hyper-Wiener index 975

Imidazole 1177
Imidazo[1,5-*d*]thieno[2,3-*b*] [1,4]thiazines 439
α-Iminoketones 1373
Immobilization 1167
Indole 1037
Indoline 1037

Inorganic–organic hybrid materials 1071
Intramolecular proton transfer 361
Intramolecular *Wittig* reaction 1093, 1221
Iodic acid 1561
Ionic liquids 545
Ion interaction 769
Ion solvation 669
Ipalbidinium 573
Iron(II) 165
Iron(II) complexes 286
Irreversible transesterification 1151
IR spectroscopy 1311, 1520
Isocoumarins 457
Isomers 1145
Isoquinoline carboxylic acid – *L*-ascorbic acid complexes 1520
Isothiocyanates 843
Isotopic labelling 1207

Ketones 1365
Kinetic relaxation 165
Kinetics 1081, 1341
K_2O 371

Lanthanide chlorides 777
Lanthanides 1607
Lariat-crown compounds 509
Lawesson's reagent 901
Lead arsenate 735
Lewis acids 823
Limiting partial molar refraction 1185
Limiting partial molar volume 1185
Lipase 1151
Liquid–liquid equilibrium 1529
Lithiation 533
Lithium 787
L-Leucine 1341
Local density approximation 235
Longevialle migration 343
Long-wavelength UV/Vis absorption band shift 361
Low-spin 183
LSE correlations 361
Luminescence detection 387

Magnesium 1365
Magnesium sulphate hydrates 763
Magnetic dendrimers 149
Magnetic molecular compounds 235
Magnetic properties 295, 307, 317
Magnetization distribution 235
Manganese 411, 1545
Mass spectrometry 343, 1421
Mechanism 529
Meldrum's acid 1651
Mercury I 1509
Metabolites 355, 1207
Metal-free phthalocyanine 875
Metallocenes 137, 327
Metal-phthalocyanines 1027
Metathesis 327
L-α-Methionine 983
2′-Methoxydihydroartemidin 1195
3a-Methoxy-6a-trifluoromethyl-tetrahydrofurano[2,3d]oxazoline 69
Methylation 851
Methylimidazole 1177
1-Methylparabanic acid 445
Methylthiomethyl esters 1207
Michael addition 1229
Michael Wittig condensation 429
Microarray analysis 1465
Microcalorimetry 983
Micro-climate 1465
Microwave chemistry 453, 1105
Microwave irradiation 45, 1015, 1215, 1561
Mimetite 735
Miscibility 1529
Mitogen-activated protein kinase 1481
Modified nucleosides 851
Molecular magnetism 149, 317
Molecular magnets 117, 217
Molecular modelling 23, 317, 1333
Molecular oxygen 411
Montmorillonite K-10 539
Mössbauer spectroscopy 295
Mutual solubilities 633
Myoglobin 1499

2,7-Naphthyridines 1045
Natural products 1421
NBS Bromination 69
New adjuvant cancer therapy 595, 1289
Nitriles 1577
Nitrite 387
Nitro compounds 419
Nitroimidazoles 1145

Nitroxide radicals 501
Nitroxides 843
NLO 117
NMR spectroscopy 551, 1081, 1145, 1241
NMR titration 509
Nucleophilic aromatic substitution 37
Nucleophilic substitutions 1045, 1145
Nucleosides, convergent synthesis of 929
Nucleotides' precursors 81

Oceanic salt system 763
Octanol/water partitioning 1333
Olefins 1577
Oligonucleotides 929, 1489
Organic photovoltaics 519
Organofunctional silanes 1081
Organometallics 327
Oxalate 117
Oxalyl chloride 823
Oxazinone 1395
Oxazolidines 1105
Oxazoloisoquinolinones 991
Oxidations 411, 551, 1207, 1341, 1411, 1565, 1571, 1593
Oxidative stress response 1465
Oximes 45, 539
8-Oxoprotoberberines 991
Oxydation 1037
Ozonization 387
Ozonolysis 1593

Palladium 1555
Palladium-catalyzed cross-coupling 573
Paramagnetic ligand 265
Partial molar volume 475
rac-Peniolactol 457
Peniophora sanguinea 457
Peptide synthesis 1159
Peri interaction 1093
Phase diagrams 679, 721
Phase transitions 777
2-Phenylazetidines 343
1,2-Phenylenediamine 501
1,4-Phenylenediamine 501
Phenylhydrazones 539
Phenylselenyl halides 1359
ortho-Phenylthiomethylaromatic carboxylic acids 533
Phosphoramidites 851
Phosphorus oxychloride 837
Photochemistry 883, 1353
Photochromism 117
Photoinduced spectroscopy 519
Photomagnetism 149, 165
Phthalides 533
Phthalocyanine 1555
Pigments 875
Pinacol formation 1365
Pivalic acid 265
pK_a values 403
Placenta-preparations 1289
Polarized neutron diffraction 235
Polycyanometalate chemistry 149
Polyhalite 693
Polymerizations 327
Polymorphism 286
Polynuclear compounds 183
Polyoxometalates 255
Poly(oxyethylene) glycols 1185
Polystyrene 1529
Polythiophenes 519
Porphyrazines 11, 1555
Prebiotic chemistry 585
Preliminary analytical screening 1289
D-seco-Pregnenes 1387
Pressure-induced spin transition 286
Proofreading-stimulation 81, 595, 1289
Protecting groups 1641
Protein 1499
Protein phosphorylation 1481
Pseudomonas 1421
4*H*-Pyrans 1585
Pyridine complex 811
Pyridine derivative complexes 1520
Pyridinedicarbonitriles 1045
Pyridine hydrotribromide 1137
Pyridine-*N*-oxide derivatives 1311
2-Pyridinones 453
Pyrimidinone 1395
Pyrophosphates 1509
Pyrrole 489, 889

Quantum computing 217
Quantum size effect 277
Quinaldinium chlorochromate 1565
Quinolinium fluorochromate 1571
Quinones 1561

Raman spectroscopy 1, 1545
Reaction kinetics 1321
Realtime PCR 1489
Reductions 419, 1365, 1387, 1411, 1607

Reductive cleavage of diselenides 831
Regioselectivity 1577
Ring-chain tautomerism 457
RNA solid-phase synthesis 851
Rotational isomers 1093
Ruthenium complexes 1167

Saccharin derivatives 901
Saccharomyces cerevisiae 1465
Salicylanilides 1215
Salicylidene-anilines 361
Salt effect 769
Salt stress 1445
Secondary alcohols 1151
Secondary benzamides 533
SEDEX 387
Selenol esters 831
Semicarbazide 1015
Semicarbazones 45, 539
Semiempirical calculations 619, 1629
Serotonine receptor ligand 1641
Siderophore 1421
Signal transduction 1481
Silica gel 411
Silver nitrate 1113
Silyl complexes 791
Single molecule magnet 149, 265
Sn(II) 387
Sodium azide 1241
Sol-gel processing 381, 1065
Solid state 1015, 1571
Solubility 655, 669, 679, 693, 721, 735, 745, 751, 769, 787, 941
Solubility diagram 763
Solubility parameter 1529
Solution model 199
Solvatochromism 361
Solvent effects 393, 655
Solvent-free organic synthesis 453
Solvent free oxidation 1561
Sommelet reaction 1113
Sonogashira reaction 545
Spectroscopy 889
Spin crossover 165, 183, 199, 286, 295
Spin quantum tunneling 217
Spiro-compounds 1373
Statistical model 199
Stereochemistry 1093
Stereoselectivity 1019
Steroids 1387
Strained molecules 23
Stress response 1433, 1489
Structure-activity relationships 1333
Structure elucidation 255, 721, 909, 1271, 1421
Sub- and supercritical conditions 679
Sugar beet 1445
Supramolecular chemistry 1229
Surface confined catalysts 1167
Synthesis 265, 1241, 1311

Tamoxifen 1289
Tartaric acid 1321
Taurine 51
Tautomerism 1129
Terpenoids 1593
Tetrachlorosilane 1241
2,3,4,5-Tetrahydro-1,5-benzodiazepin-2(1*H*)-ones 1629
Tetrahydrooxazines 343
Tetrahydropyranylation 425
Tetrahydropyrazine-2,5-diones 435
Tetrahydropyridine-3-carboxamides 1129
1,6,7,11b-Tetrahydro-2*H*-pyrimido[4,3-*a*]isoquinolin-4-amines 909
Tetrazole 183, 255
Thermal analysis 811
Thermal behaviour 1509
Thermal diastereomerization 883
Thermochromism 381
Thermodynamics 619, 655, 769, 941
Thiazolopyridines 837
Thienodipyridines 1121
Thiols 1571
Thiophosgene 843
THP ethers 425
Three-component reaction 1585
TOM-chemistry 851
Trans influence 791
Transition metals 941, 1053, 1065
Triamides 1651
1,2,4-Triazoles 465
Triazolium salt 1577
Tridentate ligands 1253
4-Trifluoromethyl-5,6-dihydro-4H-1,3-oxazines 69
3-Trifluoromethyl-tetrahydrofuran-2-ones 69
Tri-*O*-methylemodin 1113

Trimethyltin(IV) complexes 1177
Trinuclear transition metal complexes 307
Triphenylphosphine 435, 445, 1093
1-(Triphenylphosphoranylidene)pentane-2,4-dione 429
Tryptamine derivatives 1641
Tryptase-inhibitor 1159

UCST 1529
Ugi reaction 1585, 1651
Ultrasonic irradiation 37
Unsaturated 2,4-diketone 429
Unsaturated-β-ketoesters 61
Unsymmetric 1027
Uric acid 787
Uridine nucleoside 393
Urolithiasis 787
UV/Vis spectroscopy 403

Vanadium(V) 1321
Viscosity coefficient 475, 797

Water 633
Water-salt systems 679
Wiener index 975
Wittig condensations 61
Wittig reaction 1373

XMCD 277
X-ray absorption spectroscopy (XAS) 277
X-ray crystal structure 991
X-ray crystal structure analysis 361
X-ray structure 489
X-ray structure analysis 811, 1253
X-ray structure determination 286, 419, 1053, 1071, 1229, 1311, 1520, 1623

Yeast 1283, 1433, 1445

1D Zinc(II) and cadmium(II) azido complexes 1311
Zinc selenoate 831
Zinc sulfate 983
$Zn/AlCl_3$ 831
Zwitter ion 1520